

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S78	1	("4232741").PN.	USPAT; USOCR	OR	OFF	2011/04/06 12:42
S79	34	(tempor\$4 with foam\$4) and cross \$1link\$4 and (subterranean well \$1bore\$1 bore \$1hole\$1 down \$1hole\$1 oil\$1well \$1 oil\$1field\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/04/06 13:22
S80	19	("3974077"   "4113631").PN. OR ("4237975").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/06 13:31
S81	12	("3368624"   "3379260"   "3393738"   "4676316"   "5105884"   "5129457").PN. OR ("5307878").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/06 14:05
S83	6	S82 not S79	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/04/06 14:30
S82	6	(foam\$4) and cross \$1link\$4 and (S80 S81)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/04/06 14:30

S84	42	("3342261"   "3368624"   "3490533"   "3993133"   "4232741"   "4300634"   "4389320"   "4498540"   "4613631"   "4643255"   "4665986"   "4676316"   "4683949"   "4694906"   "4830108"   "4844163").PN. OR ("5105884").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/06 14:35
S85	17	(foam\$4) and cross \$1link\$4 and S84 not (S83 S79)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/04/06 14:36
S87	42	("3342261"   "3368624"   "3490533"   "3993133"   "4232741"   "4300634"   "4389320"   "4498540"   "4613631"   "4643255"   "4665986"   "4676316"   "4683949"   "4694906"   "4830108"   "4844163").PN. OR ("5105884").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 13:01
S86	1	("5105884").PN.	USPAT; USOCR	OR	OFF	2011/04/12 13:01
S88	35	S87 and foam\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 13:08
S91	22	S90 not S88	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 13:47
S90	26	S89 and foam\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 13:47

S89	99	("2650195"   "2720501"   "2787325"   "3047066"   "3080207"   "3208524"   "3251795"   "3265536"   "3316965"   "3396790"   "3452817"   "3593794"   "3640734"   "3663470"   "3713488"   "3740360"   "3741307"   "3746109"   "3757863"   "3762476"   "3785437"   "3794115"   "3795276"   "3818998"   "3859269"   "3875074"   "3912529"   "3926918"   "3941730"   "4015995"   "4018286"   "4154912"   "4261421"   "4262067"   "4272470"   "4336145"   "4349443"   "4353804"   "4376183"   "4385155"   "4389319"   "4411800"   "4424302"   "4428845"   "4447341"   "4472552"   "4473480"   "4485875"   "4486318"   "4498540"   Re31748").PN. OR ("4643255").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 13:47
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S94	7	S93 not (S91 S88)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 14:12
S93	14	S92 and foam\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 14:12
S92	32	("2249538"   "2311059"   "3878686"   "3994345"   "4361186").FN. OR ("4665986").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 14:12
S96	11	S95 and foam\$4 not (S94 S91 S88)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 14:25
S95	36	("3421582"   "3525395"   "3525396"   "3599716"   "3719606"   "3811502"   "3844350"   "3927716"   "4008766"   "4266611"   "4319636"   "4335787"   "4360061"   "4415033").FN. OR ("4676316").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 14:25
S97	70	("3251417"   "3323593"   "3330346"   "3342256"   "3410344"   "3421584"   "3529668"   "3687200"   "3740360"   "3762476"   "3782470"   "3825067"   "3841399"   "3948323"   "3993133"   "4009755"   "4015995"   "4018286"   "4043922"   "4069869"   "4113011"   "4120361"   "4300634"   "4330038"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 14:36

		"4390068"   "4413680"   "4495995"   "4534412").FN. OR ("4694906").URPN.				
S98	123	("2059459"   "2434605"   "3301723"   "3306870"   "3369602"   "3416603"   "3437141"   "3482636"   "3613790"   "3687200"   "3727689"   "3740360"   "3782467"   "3785437"   "3818998"   "3881552"   "3908760"   "3921733"   "3926258"   "3971440"   "3978928"   "4015995"   "4018286"   "4040484"   "4110230"   "4157116"   "4178993"   "4289633"   "4290485"   "4413680"   "4453596"   "4460751"   "4464270"   "4470915"   "4494606"   "4498539"   "4502967"   "4524828"   "4534412"   "4541488"   "4569393"   "4572295"   "4579670"   "4643255"   "4664194"   "4665986"   "4678032"   "4683949"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 14:40

		"4694906"   "4732213"   "4776398"   "4779680"   "4787451"   "4796700"   "4809781"   "4815537"   "4821802"   "4842071"   "4844163"   "4896723"   "4899818"   "4901795"   "4901797"   "4903767"   "4928763"   "4941533"   "5010954"   "5067564"   "5069283"   "5105884"   "5145012").FN. OR ("5203834").URPN.				
S99	12	("3368624"   "3379260"   "3393738"   "4676316"   "5105884"   "5129457").FN. OR ("5307878").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 14:48
S100	61	((S97 S98 S99) and foam\$4) not (S94 S91 S88 S96)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 15:53
S101	101	S100 S96 S94 S91	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 15:54
S102	62	("3330346"   "4044833"   "4495995"   "4513821"   "4606407"   "4676316"   "4813483"   "4863618"   "4911241"   "5074358"   "5129457"   "5199490"   "5307878"   "5363914"   "5363915"   "5614473"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 16:27

		"5638902"   "5834406"   "6022834"   "6268314").FN. OR ("6439308").URPN.				
S103	49	(S102 and foam\$4) not (S94 S91 S88 S96 S101)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/12 17:03

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	2	((subterranean well \$1bore\$1 bore\$1hole \$1 down\$1hole\$1 oil \$1well\$1 oil\$1field\$1) and (cross\$1link\$4) and (foam\$4 with \$5displac\$5)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2011/04/14 16:48
L1	1	((subterranean well \$1bore\$1 bore\$1hole \$1 down\$1hole\$1 oil \$1well\$1 oil\$1field\$1) and (cross\$1link\$4) and (foam\$4 with displac\$5)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2011/04/14 16:48
L3	39	((subterranean well \$1bore\$1 bore\$1hole \$1 down\$1hole\$1 oil \$1well\$1 oil\$1field\$1) and (foam\$4 with \$5displac\$5)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2011/04/14 16:49

4/ 14/ 2011 5:07:54 PM

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